

U.S. EPA's Integrated Risk Information System (IRIS) Web Seminar

Presenter:

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Abstract:

U.S. EPA's Integrated Risk Information System (IRIS) Program develops health assessments of potential adverse human health effects that could result from chronic (or lifetime) exposure to chemicals in the environment. IRIS is maintained by the National Center for Environmental Assessment (NCEA) in the Office of Research and Development (ORD). IRIS currently provides health effects information for more than 540 chemicals. IRIS contains chemical-specific summaries of qualitative and quantitative health information to support two steps of the risk assessment process, i.e., hazard identification and dose-response evaluation. IRIS health assessments include a reference dose (RfD) for noncancer health effects resulting from oral exposure, a reference concentration (RfC) for noncancer health effects resulting from inhalation exposure, and an assessment of carcinogenicity for both oral and inhalation exposures when the data allow. The RfD is defined by EPA as an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily oral exposure for a chronic duration to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. The RfC is analogous to the RfD, but provides a continuous inhalation exposure estimate. IRIS human health assessments follow EPA guidelines and foster consistent risk assessments across EPA programs and regions. The human health assessments in IRIS can be used in combination with exposure assessment information from specific situations to evaluate potential public health risks from environmental contaminants. The IRIS Program regularly asks EPA regions, program offices, and the public for nominations of new assessments or updates of currently posted IRIS assessments. For more information see: <http://www.epa.gov/iris/> and www.epa.gov/ncea/.

Dr. Xabier Arzuaga is a toxicologist with IRIS (NCEA/ORD/USEPA) and an alumnus of the University of Kentucky SRP. His seminar is designed specifically for SRP, focusing on how basic research (and basic researchers) can be used for the IRIS health assessments.

This web seminar (webinar) was initiated by the **SRP Student/Postdoc/Alumni Network (SPAN)** [add hyperlink] and is open to all SRP grantees and SPAN Committee members. Research Translation Cores and Training Cores are particularly encouraged to attend. A link to register for the webinar will be posted here. After you register, you will be given access to the slides and call-in number. All you will need for the webinar is a phone line, a computer (or computer/projector/screen

set-up), and internet access. We encourage SRP investigators, core leaders, and trainees to coordinate group viewing of the webinar.

For more information, please contact Heather Henry (henryh@niehs.nih.gov) or Maureen Avakian (avakian@niehs.nih.gov).